

 Rec Drawn

 cc Road

Phill

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎನ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

✓ 6

BRUHAT BANGALORE MAHANAGARA PALIKE



**Asst. Executive Engineer,
Shettyhalli Sub Division,**

Name of Work	Improvements to CC Roads to Ravindranagara Slum and Other roads in Ward No.13, Shettyhalli Sub Division.
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Est Cost:100.00 (Rs in Lakhs)

Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Improvements to CC Roads to Ravindranagara Slum and Other roads in Ward No.13, Shettyhalli Sub Division.

Est .Cost Rs.100.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil involving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 141/ Item No. 19.1/ PWD SR 2015-16.								
	EW for RCC Drain & CC road								
	5th Cross (3rd Main to 2nd main R/s)	Cum	1	85.00	1.00	0.90	76.50		
	6th Cross (3rd Main to 2nd main R/s & L/s)		2	100.00	1.00	0.90	180.00		
	4th Cross (L/s)		1	84.00	1.00	0.90	75.60		
	4th Cross (R/s)		1	105.00	1.00	0.90	94.50		
	9th Cross (Chamundeshwari Temple road to 4th cross R/s & L/s)		2	155.00	1.00	0.90	279.00		
	3rd main(4th cross to 5th cross)		2	25.00	1.00	0.90	45.00		
	5,6,7,8, 9 cross CC Roads		5	44.00	5.35	0.35	411.95		
							1163.54	83.16	96760.00
	Basic Rate	77.00							
	Area Weightage @ 8%	6.16							
		83.16							
2	KSRB 4-1.2: Providing and laying in position plain cement concrete of nominal mix M 10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 Page No. 12/ Item No. 4.2/ PWD SR 2015-16								
	5th Cross (3rd Main to 2nd main R/s)	Cum	1	85.00	1.00	0.15	12.75		
	6th Cross (3rd Main to 2nd main R/s & L/s)		2	100.00	1.00	0.15	30.00		
	4th Cross (L/s)		1	84.00	1.00	0.15	12.60		
	4th Cross (R/s)		1	105.00	1.00	0.15	15.75		
	9th Cross (Chamundeshwari Temple road to 4th cross R/s & L/s)		2	155.00	1.00	0.15	46.50		
	3rd main(4th cross to 5th cross)		2	25.00	1.00	0.15	7.50		
	5,6,7,8, 9 cross CC Roads		5	44.00	5.35	0.15	176.55		
							301.24	5236.92	1577570.00
	Basic Rate	4849.00							
	Area Weightage @ 8%	387.92							
	Total	5236.92							

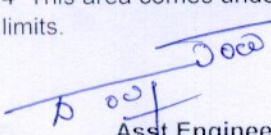
KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with with 20mm and down size graded granite metal, coarse aggregate @ 0.69 cum and fine aggregates @ .460cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafairmed 2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, staircase, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 ,P.13/I.4.11/ PWD SR 2015-16									
5th Cross (3rd Main to 2nd main R/s)	Cum	1x2	85.00	0.15	0.90	22.95			
		1	85.00	0.90	0.15	11.48			
6th Cross (3rd Main to 2nd main R/s & L/s)		2x2	100.00	0.15	0.90	54.00			
		1	100.00	0.90	0.15	13.50			
4th Cross (L/s)		1x2	84.00	0.15	0.90	22.68			
		1	84.00	0.90	0.15	11.34			
4th Cross (R/s)		1x2	105.00	0.15	0.90	28.35			
		1	105.00	0.90	0.15	14.18			
9th Cross (Chamundeshwari Temple road to 4th cross R/s & L/s)		2x2	155.00	0.15	0.90	83.70			
		1	155.00	0.90	0.15	20.93			
3rd main(4th cross to 5th cross)		2x2	25.00	0.15	0.90	13.50			
		1	25.00	0.90	0.15	3.38			
For Covering		1	85.00	0.90	0.15	11.48			
		2	105.00	0.90	0.15	28.35			
		1	84.00	0.90	0.15	11.34			
		1	118.00	0.90	0.15	15.93			
		2	155.00	0.90	0.15	41.85			
		2	25.00	0.90	0.15	6.75			
						415.27			
				Net Qty		415.27	6198.12	2573893.29	
Basic Rate	5739.00								
Area Weightage @ 8%	459.12								
Total	6198.12								
4 KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3, TMT bars Fe 500. Page No. 17/ Item No. 4.46.2/ PWD SR 2015-16									
Drain	Qtls		415.27	x	60kgs	24916.20			
CC Roads	Qtls		164.06	x	55kgs	9023.30			
						33939.50			
						say			
						335.75	6980.58	2343730.00	
Basic Rate	6463.50								
Area Weightage @ 8%	517.08								
Total	6980.58								

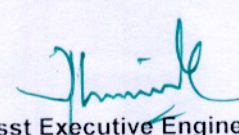
4	Providing & laying cement concrete using 20mm and down size granite coarse aggregate and fine aggregate of ready mixed concrete RMC M20 for RCC works laid in 15cm thick layers and well compacted vibrating, curing, for raft foundation column footing, main and secondary beams with all lead and lift etc, complete (exclusive of cost of steel and fabrication charges Page No.18/ Item No. 4.48/ PWD SR 2015-16								
	5,6,7,8 9 cross CC Roads		5	44.00	5.20	0.15	170.66		
							170.66	6332.04	1080626.00
	Basic Rate	5863.00							
	Area Weightage @ 8%	469.04							
	Total	6332.04							
5	KSRB 4-6.9: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walss at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specification. Specification No. KSRB 4.6.9. exceeding 1m in depth. Page No. 15/ Item No. 4.31/ PWD SR 2015-16								
		Sqm							
			1x4	85.00		0.90	306.00		
			2x4	100.00		0.90	720.00		
			1x4	84.00		0.90	302.40		
			1x4	105.00		0.90	378.00		
			2x4	155.00		0.90	1116.00		
			2x4	25.00		0.90	180.00		
			1	85.00		0.60	51.00		
			1	105.00		0.60	63.00		
			1	84.00		0.60	50.40		
			1	118.00		0.60	70.80		
			1	155.00		0.60	93.00		
			1	25.00		0.60	15.00		
							3336.70	306.72	1023432.62
	Basic Rate	284.00							
	Area Weightage @ 8%	22.72							
		306.72							
6	Providing & laying reinforced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specifications.								
		Sqm	210		0.60	0.90	113.40		
	Missed slab		110		0.60	0.90	59.40		
	Approved Rate of Precast slab	1600					172.80	1600	276480.00
7	Vaccum de-watering with vacuum pump and suction mat and compaction with skin floater dubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. Page No.177/ Item No.22.7/ PWD SR 2016-17								
		Sqm							
	CC Road		5	44.00	5.20		1120.00		
							1120.00	97.20	108864.00
	Basic Rate	90.00							
	Area Weightage @ 8%	7.20							
	Total	97.20							
8	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 68.00 (P.133 I.18.57/1) 2015-16								

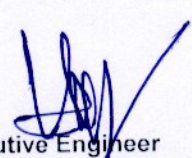
Qty Vide Item No=1	Cum					1123.54		
Qty Limited to						1123.54	81.73	91832.00
(For 3 km = 3 x 1.28 x 2.0)	7.68							
Loading and Unloading Charges	68.00							
	75.68							
Area Weightage @ 8%	6.05							
Total	81.73							
							Sub Total	9173219.72
9 KRIDL Charges 8+1%								825590.00
10 Miscellaneous and unforeseen Charges								1190
							Total	10000000.00
(Rupees One Crore Only)								

CERTIFICATE

- 1 The Work spot has been inspected and the work found to be necessary
- 2 The Estimate is prepared as per the PWD SR 2015-16
- 3 The Provision made in estimate are adequate and essential
- 4 This area comes under BBMP limits.


Asst Engineer
Ward No-13


Asst Executive Engineer
Shettyhalli Sub-Division
BBMP


Executive Engineer
Dasarahalli Zone
BBMP

ನಂ. CE/D2/TS/72/2016-17
ದಿನಾಂಕ : 23/11/2016
ರೂ. 100.00 Lakhs. [Rupees one
- Crore only]
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ಕುಡುಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. JC/D/AC/PR/54/16-17 ದಿನಾಂಕ : 23/11/16
ರೂ. 100.00 Lakhs only (Rupees
hundred Lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆರ್ಥಿಕತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಜಂಟಿ ಅಭಿಯಂತರರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು